

BELL ENGINEERING
A.S.BELL ENGINEERING, PC

September 22, 2020

Marcus Serrano, Village Administrator
Village of Buchanan
Municipal Building
236 Tate Avenue
Buchanan, NY 10511

RE: PROPOSAL – Engineering Services - Village Pool – Investigation and Detailed Swimming Pool Design
BE# 220-065

Dear Mr. Serrano:

A. S. Bell Engineering, P.C. is pleased to provide you with this Proposal for Engineering Services for the above referenced project. A. S. Bell Engineering, P.C. brings to the Village of Buchanan over forty-seven (47) years of structural engineering experience in bridges, buildings, retaining walls and other structures, as well as over nineteen (19) years specifically in swimming pool design. This project involves the investigation of separating the combined filtration system of an existing swimming pool 42'-0" x 82'-2" (25 meter), combined with a 22'-0" diameter wading pool. Specifically the project involves separating the two bodies of water with separate filtration systems. The Westchester County Department of Health (WCDOH) has indicated that the filtration systems of both pools will need to be brought into compliance with current codes.

The following is our Scope of Services for this project:

Scope of Services:

Phase 1 - Study

1. Visit the site to visually ascertain the existing conditions of the pools and recirculation equipment.
2. Discuss with the Village their plans to keep the existing wading pool and simply add a new filtration system for this pool, or to replace the wading pool with a new wading pool and new filtration system.
3. Investigate the suitability of the retaining the existing vacuum Diatomaceous Earth (DE) filter for the existing swimming pool.
4. Based on the above three (3) items, provide a budget level cost estimate for the proposed work.
5. Provide a letter report discussing the above items.

Phase 2 – Preliminary Design

1. Provide piping plans showing the separation of the existing swimming pool and wading pool.
2. Design the new wading pool, or provide plans for upgrading the pool finish, skimmers and main drains of the existing wading pool, complete with new filtration system.
3. Provide plans for replacement or rehabilitation of the existing DE filter.
4. Provide plans for the replacement of the main drain boxes and grates if required by the WCDOH
5. Provide deck plans showing the upgrades to deteriorated deck, and for new depth markers.
6. Provide a set of plans, Engineers Report (DOH-1309), pump head loss calculations, equipment manufacturer’s information (cut sheets), and other supporting data to the WCDOH for review.

Phase 3 – Final Design

1. Address the comments generated by WCDOH from their review.
2. Provide three (3) sets of plans to WCDOH for approval.
3. Produce Construction Documents for bidding.

Phase 4 – Bidding

1. Assist the Village in the bidding phase and issuing responses to bidders questions.
2. Review the bids and recommend award.
3. Assist the Village in preparing the construction contracts.

Phase 5 – Construction

1. Provide site inspections and certifications to WCDOH for reinforcing steel and underground piping as appropriate.
2. Provide site inspection for equipment installation.
3. Inspect and certify substantial completion.
4. Attend final inspection by WCDOH.

We propose to complete the above Scope of Services for the Lump Sum Price of \$30,000.00.

Invoices shall be sent and due payable according to the following schedule:

Notice to Proceed Retainer	10%	\$ 3,000.00
Completion of Phase 1	6.7%	\$ 2,000.00
Completion of Phase 2	50%	\$ 15,000.00
Completion of Phase 3	10%	\$ 3,000.00
Completion of Phase 4	10%	\$ 3,000.00
Completion of Phase 5	13.3%	\$ 4,000.00
	Total	\$ 30,000.00

Work beyond the proposed scope shall be billed at the following hourly rates:

Professional Engineer	\$225.00 per hour
CADD Drafter	\$125.00 per hour

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Proposal Assumptions

1. This project is for the construction of the pools in 2022. It is anticipated that the existing swimming pool can be utilized by the Village by shutting off the wading pool for the 2021 season.
2. The WCDOH fees will be paid by others.
3. All existing plans shall be made available to A. S. Bell Engineering, P.C. .
4. The new wading pool **will not** be designed as a splash pad.

Please contact us if you have any questions with this Proposal.

If you are in agreement with this Proposal, please sign the Acceptance below, and return one copy to us.

Thank you for considering A. S. Bell Engineering, P.C. .

Sincerely yours:



A. S. Bell Engineering, P.C.
Andrew S. Bell, P.E.,
President

ACCEPTANCE:

We hereby accept the above Scope of Services and fee and authorize the commencement of work.

BY: _____

DATE: _____

A.S. BELL ENGINEERING, PC

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452-2838